



Docket No. 9539-000055

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michalek et al

Serial No. 10/085,743

Group: 2862

Filed: February 26, 2002

Examiner: Reena Aurora

For: **Press-In Exciter Ring Assembly**

RECEIVED

MAR 09 2004

Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

MURFEY *PJm*
AFFIDAVIT OF PETER J. ~~MURPHY~~

Sir:

The undersigned being duly sworn, states that to the best of his/her knowledge and belief:

1. I am a witness on the attached Exhibit A which is a copy of an invention disclosure submitted to the American Axle & Manufacturing patent department.
2. I understood the invention at the time I signed the information disclosure form.
3. The date of the signatures, which are whited out in Exhibit A, are prior to the effective filing date, which is November 2, 2001, of U.S. Patent No. 6,549,001.



Further Affiant sayeth not.

Peter J. Murphy
Peter J. Murphy *Murphy PJ M*

State of Michigan)
County of Wayne) ss.

On this 27th day of February, 2004, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

(seal)

[Signature]
Notary Public,
Macomb County
State of Michigan *Acting in Wayne County, Mi*
My Commission Expires: 08/25/05



**AMERICAN
AXLE &
MANUFACTURING**

RECORD OF INVENTION

AAM DEPARTMENT/LOCATION PRODUCT ENGINEERING / TECHNICAL CENTER

FILE NO. _____

SUBJECT PRESS-IN EXCEPT RING ASSEMBLY - ADDITIONAL
PLEASE PRINT OR TYPE FEATURES

Inv ntor JOHN STANLEY MICHAEL Citizen of USA
FIRST NAME FULL MIDDLE NAME LAST NAME

Social Security No. _____

Home Address _____
STREET CITY AND STATE ZIP CODE

AAM Address 2965 TECHNOLOGY DRIVE AAM Telephone 248-299-6514
ROCHESTER HILLS, MI. 48309-3589

Employed by (if not AAM employee) _____

Inv ntor _____ Citizen of _____
FIRST NAME FULL MIDDLE NAME LAST NAME

Social Security No. _____

Home Address _____
STREET CITY AND STATE ZIP CODE

AAM Address _____ AAM Telephone _____

Employed by (if not AAM employee) _____

Inv ntor _____ Citizen of _____
FIRST NAME FULL MIDDLE NAME LAST NAME

Social Security No. _____

Home Address _____
STREET CITY AND STATE ZIP CODE

AAM Address _____ AAM Telephone _____

Employed by (if not AAM employee) _____

(over)

RECORD OF INVENTION

1. This invention is disclosed in the following sketches, drawings, written description, and/or technical reports (attach copies).

THESE DOCUMENTS SHOULD PROVIDE A FULL DISCLOSURE OF YOUR INVENTION AND SHOULD BE SIGNED AND DATED BY EACH INVENTOR AND BY TWO WITNESSES WHO UNDERSTAND THE INVENTION.

2. This invention was first thought of _____ on _____
3. First sketch or drawing (attach copy) was made by JOHN MICHAEL on _____
4. First written description (attach copy) was made by JOHN MICHAEL on _____
5. This invention was first disclosed to DAVID DELOS - C.E. (S.E.) on _____
6. First tests (attach copy of results) were made by _____ on _____, 19____.
7. This invention was or is expected to be published or disclosed outside AAM to:
THIS FEATURE IS NOT EXPECTED TO BE EXPLICITLY on _____, 19____.
DISCLOSED OUTSIDE OF AAM / C.E. (S.E.) on _____, 19____.
8. This invention was or is expected to be used in production starting _____ on _____, 19____.
9. In addition to those identified above, the following people can also testify to facts relating to the making of this invention:
PETER MURPHY
10. The nearest thing or things to this invention that I know of are:

I HEREBY ASSIGN THIS INVENTION TO AMERICAN AXLE & MANUFACTURING, INC. AND AUTHORIZE AMERICAN AXLE & MANUFACTURING, INC. TO FILE AN APPLICATION FOR PATENT ON MY BEHALF.

This invention was reviewed and understood by me

Peter J. Murphy
WITNESS

Elizabeth S. McGowan
WITNESS

INVENTOR SIGNATURE

INVENTOR

DATE

INVENTOR

DATE

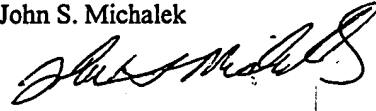
INVENTOR

DATE

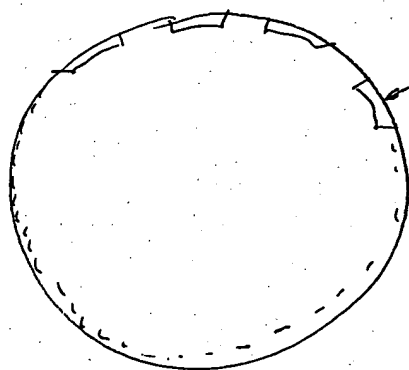
Press-In Exciter Ring Assembly – Additional Feature: Retaining ring cutouts and/or recesses

The retaining ring on the Press-In Exciter Ring Assembly when designed with cutouts and/or recesses on the outside diameter will provide an additional path for oil to flow around the Press-In Exciter Ring Assembly and thereby increase oil flow to the bearing.

John S. Michalek

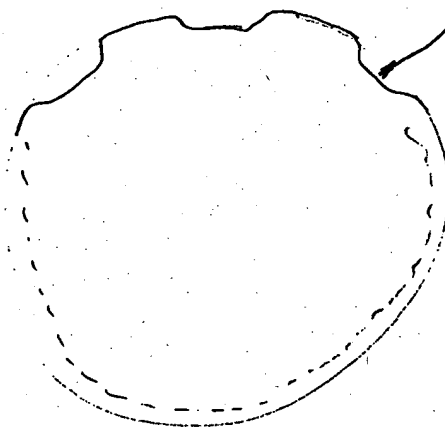
A handwritten signature in black ink, appearing to read 'John S. Michalek', written in a cursive style.

(A)



COTOUTS

(B)



RECESS